

PATENT CLAIMS

1. A system for producing gearboxes, which consists of different subassemblies (M, A₁, A₂, A₃, H_{an}, H_{ab}, A_E, A_w, A_F), characterized in that a gearbox having SP kinematics or TP kinematics can be assembled by means of a different mounting of the subassembly (H_{an}) with the subassembly (H_{ab}) and (A₂).

2. The system as claimed in claim 1, characterized in that a single-stage gearbox can be assembled from the subassemblies, engine (M) mounted part (A₁), hollow shaft wheel of the output stage (H_{ab}) and output unit (A_E) as an output shaft (A_w) or as an output flange (A_F) or as a customer-specific drive unit.

3. The system as claimed in claim 1, characterized in that, in order to produce a two-stage gearbox, the subassembly, engine (M), mounted part (A₂), ring wheel of the drive stage (H_{an}), hollow shaft wheel of the output stage (H_{ab}) and subsequent output unit (A_E) can be assembled.

4. The system as claimed in at least one of claims 1 to 3, characterized in that, in order to produce a three-stage gearbox, the mounted part (A₃) can be inserted between the mounted part (A₂) and the ring wheel of the drive stage (H_{an}).

5. The system as claimed in at least one of claims 1 to 4, characterized in that the ring wheel of the drive stage (H_{an}) has a ring wheel (20) into which a sun wheel (23), a

universal planet-wheel carrier (21) and planets (22) are inserted.

6. The system as claimed in at least one of claims 1 to 5, characterized in that the hollow shaft wheel of the output stage (H_{ab}) is formed from the casing part (10) with universal planet-wheel carrier (9) and inserted planet (7) and sun wheel (8).

7. The system as claimed in at least one of claims 1 to 6, characterized in that the mounted part (A_1 and A_2) is formed from a casing part (3) with a clamping hub (2) inserted via bearings (5), having a sun wheel (3) with an integrated plug-in sleeve (6).

8. The system as claimed in at least one of claims 1 to 7, characterized in that, in order to produce a gearbox with TP kinematics, the ring wheel (20) of the ring wheel of the drive stage (H_{an}) can be connected fixedly, in particular is screwed fixedly, to the universal planet-wheel carrier (9) of the hollow shaft wheel of the output stage (H_{ab}).

9. The system as claimed in at least one of claims 1 to 7, characterized in that, in order to produce an SP gearbox with SP kinematics, the ring wheel (20) of the ring wheel of the drive stage (H_{an}) can be connected fixedly, in particular is screwed fixedly, to the casing part (3) of the mounted part (A_2).

10. The system as claimed in at least one of claims 1 to 9, characterized in that the mounted part (A_3) is formed from a

casing part (27) into which a ring wheel (31) having an integrated planet (32), universal planet-wheel carrier (28) and sun wheel (33) is integrated, the planet-wheel carrier (28) having a plug-in sleeve (29) on one side.

11. The system as claimed in at least one of claims 1 to 10, characterized in that, in order to produce two-stage TP gearboxes, the ring wheel (20) of the ring wheel of the drive stage (H_{an}) is connected fixedly in terms of rotation, in particular is screwed, to the universal planet-wheel carrier (9) of the hollow shaft wheel (H_{ab}).

12. The system as claimed in at least one of claims 1 to 10, characterized in that, in order to produce a two-stage SP gearbox, the ring wheel (20) of the ring wheel of the drive stage (H_{an}) is connected fixedly, in particular is screwed fixedly, to the casing (3) of the mounted part (A_2).

13. The system as claimed in at least one of claims 1 to 12, characterized in that, in order to produce a three-stage TP or SP gearbox, the ring wheel (31) of the mounted part (A_3) is connected fixedly, in particular is screwed, to the casing part (3) of the mounted part (A_2), and the ring wheel (20) of the ring wheel of the drive stage (H_{an}) is connected fixedly, in particular is screwed, to the casing part (27) of the mounted part (A_3).

14. The system as claimed in at least one of claims 1 to 13, characterized in that, in order to produce a three-stage TP or SP gearbox, the ring wheel (20) of the drive stage (H_{an})

is connected, in particular is screwed, to the right to the output stage (H_{ab}) or to the left to the casing part (27) of the mounted part (A_3).

15. The system as claimed in at least one of claims 1 to 14, characterized in that, in order to produce a three-stage TP or SP gearbox, the ring wheel (31) of the mounted part (A_3) is connected, in particular is screwed fixedly, to the right to the casing part (27) of the mounted part (A_3) or to the left to the casing part (3) of the mounted part (A_2).